

PRODUCT DATA SHEET

LIQUID RUBBER High Build

High Build is a modified elastomeric asphalt emulsion specifically formulated to be applied by brush, squeegee or specially designed spray equipment. **High Build** is a cold applied single component product designed for a wide range of protective coating applications. The product technology employed in **High Build** provides a solvent-free, quick setting coating that yields a membrane with excellent strength.

High Build is an environmentally friendly waterproofing product which can be applied indoors and outdoors with no special protective equipment.

*** Free of flammable solvents * Non-toxic * Odourless and Water based**

Property	Typical results
Specific gravity (liquid) g/cm ³	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	53 - 58
Viscosity, Brookfield, sp. #5, 20 rpm	8000 - 9000
pH	10 - 12

Performance (Cured Membrane)	Typical results
Colour	Black
Specific gravity, g/cm ³	Approximately 1.0
Chemical resistance	Resistant to most inorganic solutions. Not recommended for gasoline or other petroleum products. Consult Chemical Resistance chart
Biological resistance ASTM E 154, ASTM 0412	Passed (> 90% original value)
Impact resistance CSB37 -GP-500 23°C, in-lbs	Passed (168)
Water tightness after impact	Passed (no leakage)
Water tightness CGSB 37-GP-56	Zero leakage
Tensile strength ASTM 0412, psi	90
Elongation, %	850
Accelerated weathering, ASTM G 155, 0 412	Passed (No deterioration of film)
Tensile strength	Passed (> 90% original value)
Hardness, Durometer Type 00	85-87
Salt Fog Corrosion, Steel ASTM D412	1000 hours passing
Surface Corrosion ASTM D610	No Corrosion after 500 hours, 0.03% after 1000 hours
Adhesion to concrete ASTM C907	765 kPa
Hardness ASTM D2246	50 Type A
Puncture resistance CGSB 37-GP-56	No perforations
Water Vapour Transmissions ASTM E96	0.04

USES

High Build is used as a protective coating to prevent water and corrosion damage. **High Build** can be used for rust protection of ferrous materials and is also of value for noise and vibration dampening. It may also be applied to concrete structures, slabs and parking decks. The high viscosity of **High Build** allows it to be used to cover small cracks, or to coat vertical surfaces.

APPLICATION

High Build is water based environmentally safe alternative to conventional hot-applied or solvent based waterproofing systems. When cured it will form a seamless flexible membrane. **High Build** is a single component product that may be applied using a brush, roller or squeegee. It may also be spray applied using a specially designed spray system. Since **High Build** cures by evaporation, an application temperature of 15-20°C is recommended. Apply in thin coats. The product fully cures within 24 hours at 20°C (70°F) and 50% relative humidity, when applied at a thickness of 1 mm (40 mils). **High Build** should be applied to a dry surface which is free of dirt, debris, oil or grease. Application is not recommended if heavy rains are imminent, or in high humidity environments. For best results apply in thin coats. With joints or cracks in the surface a fabric reinforcing layer may be recommended. See application manual or consult with a Liquid Rubber Manufacturing Coatings representative for further details. **High Build** is applied between 1.6 – 4.8 L/m² for a dry film thickness (dft) of 1mm – 3mm protective membrane. Typically **High Build** dries to the touch in one minute @20°C and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity.

LIMITATIONS

High Build is mildly alkaline. When applying this product observe appropriate safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS.

High Build should not be applied when "the ambient temperature is below 15°C. The uncured membrane may be damaged if frozen. Do not apply to wet surfaces or directly before a rain. Some surface base coat materials such as coal tar are unsuitable for use with **High Build**.

CAUTION

For industrial use only. Keep out of the reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using **High Build**.

TECHNICAL SERVICE

Call **Liquid Rubber Manufacturing Pty Ltd** 07 55680544

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS.

Prepared by: **Liquid Rubber Manufacturing Pty Ltd**
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